

FIGURE 1

Name	5'—Sequence—3'
DiGHEcoF	AGGCGAATTCTTCCCAACCATTCCCTAT
DiGHNotF	CTTCAAGAGGCGGCGGCCGCTTCCCAACCATTCCC TTAT
DiGHHinR	TTCCAAGCTTCATCAGAAGCCACAGCTGCCCTCCA
Lep2TrcFOR	CAAAGCTAGCGGTGGCATGCAAGT
Lep2TrcREV	AAGCTTGAATTCCTATTACGTCGACTCTAG
LepLinkFOR	CAGCTGCTGTGGCTTCGGCGGCCGCAGGTGGCGGA
LepLinkREV	AATGCCTCGAGGAATTCGGAACCTCCG
Lep2FOR	GGGAAACTCGAGGTGCCCATCCAAAAAGTCCAAG AT
Lep2REV	GGGAAAGTCGACTCTCTAGAGCACCCAGGGCTGA GGTCC

FIGURE 2

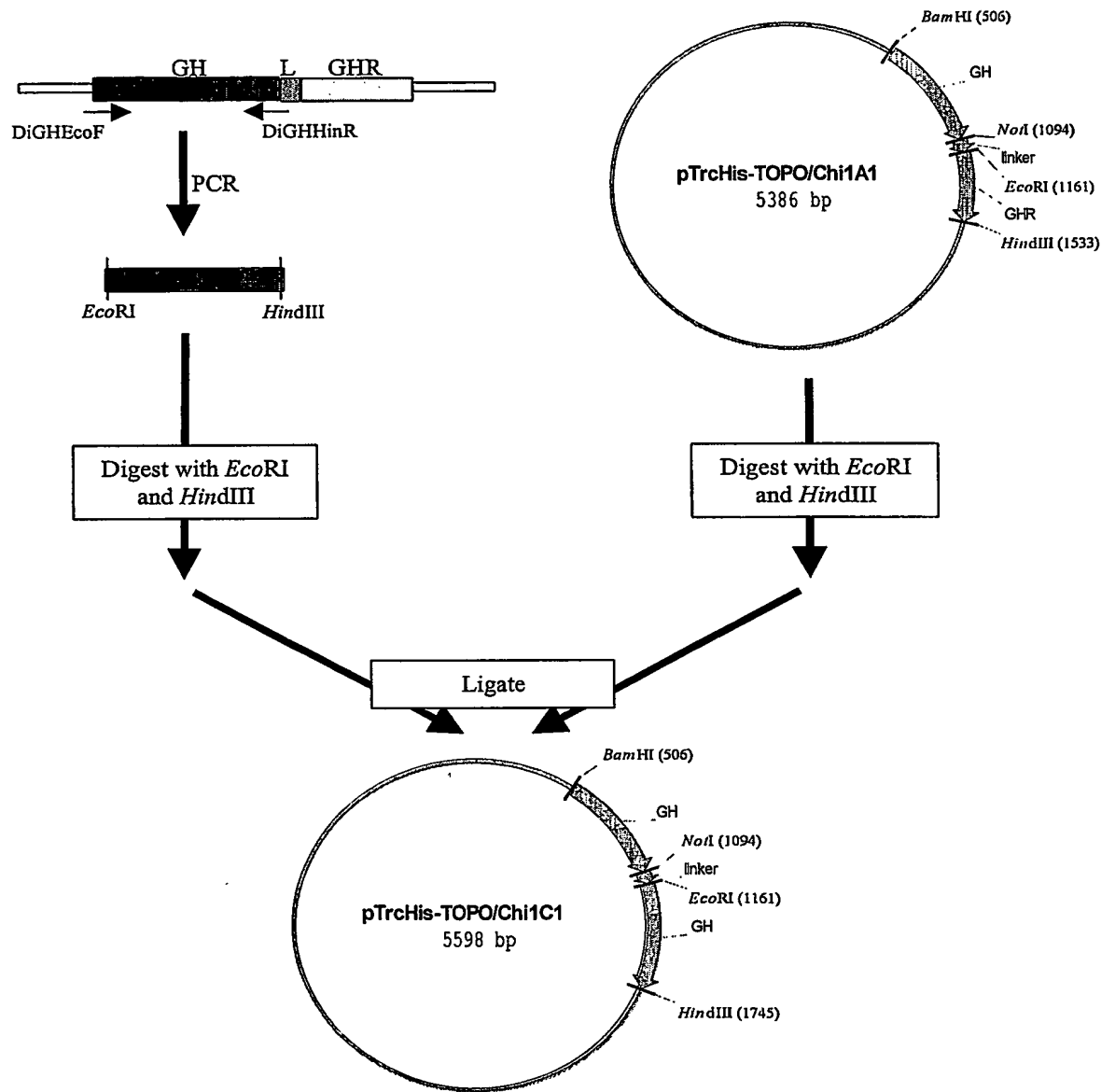


FIGURE 3

**Growth hormone molecule 1**

TTCCCAACCATTCCTTATCCAGGCTTTTTGACAACGCTAGTCTCCGCGC  
CCATCGTCTGCACCAGCTGGCCTTTGACACCTACCAGGAGTTTGAAGAAG  
CCTATATCCCAAAGGAACAGAAGTATTCATTCCTGCAGAACCCCCAGACC  
TCCCTCTGTTTCTCAGAGTCTATTCCGACACCCTCCAACAGGGAGGAAAC  
ACAACAGAAATCCAACCTAGAGCTGCTCCGCATCTCCCTGCTGCTCATCC  
AGTCGTGGCTGGAGCCCGTGCAGTTCCTCAGGAGTGTCTTCGCCAACAGC  
CTGGTGTACGGCGCCTCTGACAGCAACGTCTATGACCTCCTAAAGGACCT  
AGAGGAAGGCATCCAAACGCTGATGGGGAGGCTGGAAGATGGCAGCCCCC  
GGACTGGGCAGATCTTCAAGCAGACCTACAGCAAGTTCGACACAAACTCA  
CACAACGATGACGCACTACTCAAGAACTACGGGCTGCTCTACTGCTTCAG  
GAAGGACATGGACAAGGTCGAGACATTCTGCGCATCGTGCAGTGCCGCT  
CTGTGGAGGGCAGCTGTGGCTTC

**Linker region**

*TTAGTGCCGCGCGGCAGTCCGGGCATTGGCGGCGGTGGCGGC*

**Growth hormone molecule 2**

TTCCCAACCATTCCTTATCCAGGCTTTTTGACAACGCTAGTCTCCGCGC  
CCATCGTCTGCACCAGCTGGCCTTTGACACCTACCAGGAGTTTGAAGAAG  
CCTATATCCCAAAGGAACAGAAGTATTCATTCCTGCAGAACCCCCAGACC  
TCCCTCTGTTTCTCAGAGTCTATTCCGACACCCTCCAACAGGGAGGAAAC  
ACAACAGAAATCCAACCTAGAGCTGCTCCGCATCTCCCTGCTGCTCATCC  
AGTCGTGGCTGGAGCCCGTGCAGTTCCTCAGGAGTGTCTTCGCCAACAGC  
CTGGTGTACGGCGCCTCTGACAGCAACGTCTATGACCTCCTAAAGGACCT  
AGAGGAAGGCATCCAAACGCTGATGGGGAGGCTGGAAGATGGCAGCCCCC  
GGACTGGGCAGATCTTCAAGCAGACCTACAGCAAGTTCGACACAAACTCA  
CACAACGATGACGCACTACTCAAGAACTACGGGCTGCTCTACTGCTTCAG  
GAAGGACATGGACAAGGTCGAGACATTCTGCGCATCGTGCAGTGCCGCT  
CTGTGGAGGGCAGCTGTGGCTTC

**FIGURE 4**

**Growth hormone molecule 1**

FPTIPLSRLFDNASLRAHRLHQLAFDTYQEFEEAYIPKEQKYSFLQNPQT  
SLCFSESIPSPNREETQQKSNLELLRISLLLIQSWLEPVQFLRSVFANS  
LVYGASDSNVYDLLKDLEEGIQTLMGRLEDGSPRTGQIFKQTYSKFDTNS  
HNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSCGF

**Linker region**

*LVPRGS PGIGGGGG*

**Growth hormone molecule 1**

FPTIPLSRLFDNASLRAHRLHQLAFDTYQEFEEAYIPKEQKYSFLQNPQT  
SLCFSESIPSPNREETQQKSNLELLRISLLLIQSWLEPVQFLRSVFANS  
LVYGASDSNVYDLLKDLEEGIQTLMGRLEDGSPRTGQIFKQTYSKFDTNS  
HNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSCGF

**FIGURE 5**

**Leptin molecule 1**

GTGCCCATCCAAAAAGTCCAAGATGACACCAAAACCCTCATCAAGACAAT  
TGTCACCAGGATCAATGACATTTACACACACGCAGTCAGTCTCCTCCAAAC  
AGAAAGTCACCGGTTTGGACTTCATTCTGGGCTCCACCCCATCCTGACC  
TTATCCAAGATGGACCAGACACTGGCAGTCTACCAACAGATCCTCACCAG  
TATGCCTTCCAGAAACGTGATCCAAATATCCAACGACCTGGAGAACCTCC  
GGGATCTTCTTCACGTGCTGGCCTTCTCTAAGAGCTGCCACTTGCCCTGG  
GCCAGTGGCCTGGAGACCTTGGACAGCCTGGGGGGTGTCTGGAAGCTTC  
AGGCTACTCCACAGAGGTGGTGGCCCTGAGCAGGCTGCAGGGGTCTCTGC  
AGGACATGCTGTGGCAGCTGGACCTCAGCCCTGGGTGC

**Linker region**

*TTAGTGCCGCGCGGCAGTCCGGGCATTGGCGGCGGTGGCGGC*

**Leptin molecule 2**

GTGCCCATCCAAAAAGTCCAAGATGACACCAAAACCCTCATCAAGACAAT  
TGTCACCAGGATCAATGACATTTACACACACGCAGTCAGTCTCCTCCAAAC  
AGAAAGTCACCGGTTTGGACTTCATTCTGGGCTCCACCCCATCCTGACC  
TTATCCAAGATGGACCAGACACTGGCAGTCTACCAACAGATCCTCACCAG  
TATGCCTTCCAGAAACGTGATCCAAATATCCAACGACCTGGAGAACCTCC  
GGGATCTTCTTCACGTGCTGGCCTTCTCTAAGAGCTGCCACTTGCCCTGG  
GCCAGTGGCCTGGAGACCTTGGACAGCCTGGGGGGTGTCTGGAAGCTTC  
AGGCTACTCCACAGAGGTGGTGGCCCTGAGCAGGCTGCAGGGGTCTCTGC  
AGGACATGCTGTGGCAGCTGGACCTCAGCCCTGGGTGCTTAGTGCCG

**FIGURE 6**

**Leptin molecule 1**

VPIQKVQDDTKTLIKTIVTRINDISHTQSVSSKQKVTGLDFIPGLHPILT  
LSKMDQTLAVYQQILTSMPSRNVIQISNDLENLRDLLHVLAFSKSCHL  
PWASGLETLDLGGVLEASGYSTEVALSRLQGSLQDMLWQLDLSPGC

**Linker region**

*LVPRGS PGIGGGGG*

**Leptin molecule 2**

VPIQKVQDDTKTLIKTIVTRINDISHTQSVSSKQKVTGLDFIPGLHPILT  
LSKMDQTLAVYQQILTSMPSRNVIQISNDLENLRDLLHVLAFSKSCHL  
PWASGLETLDLGGVLEASGYSTEVALSRLQGSLQDMLWQLDLSPGC

**FIGURE 7**

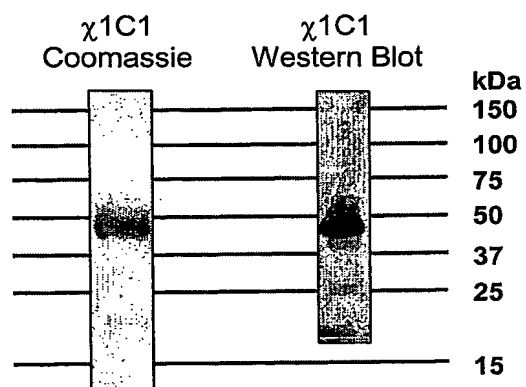


FIGURE 8



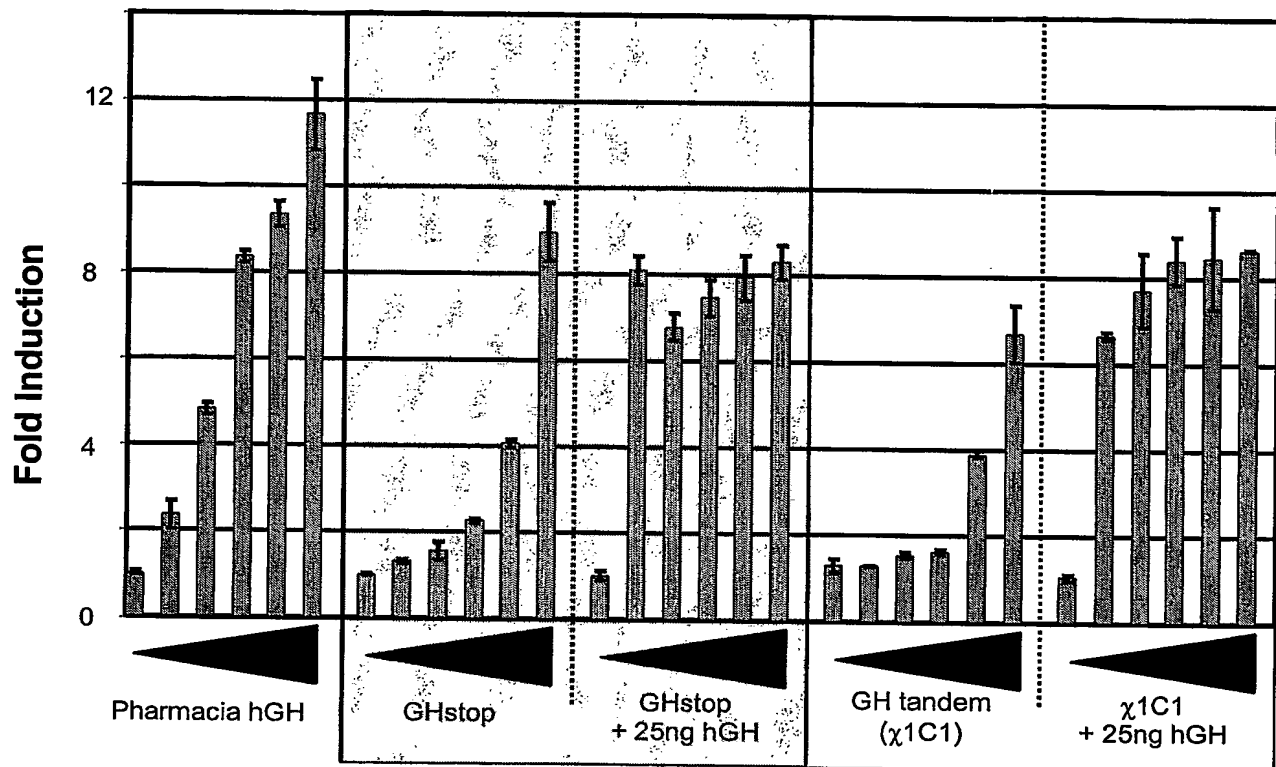


FIGURE 9

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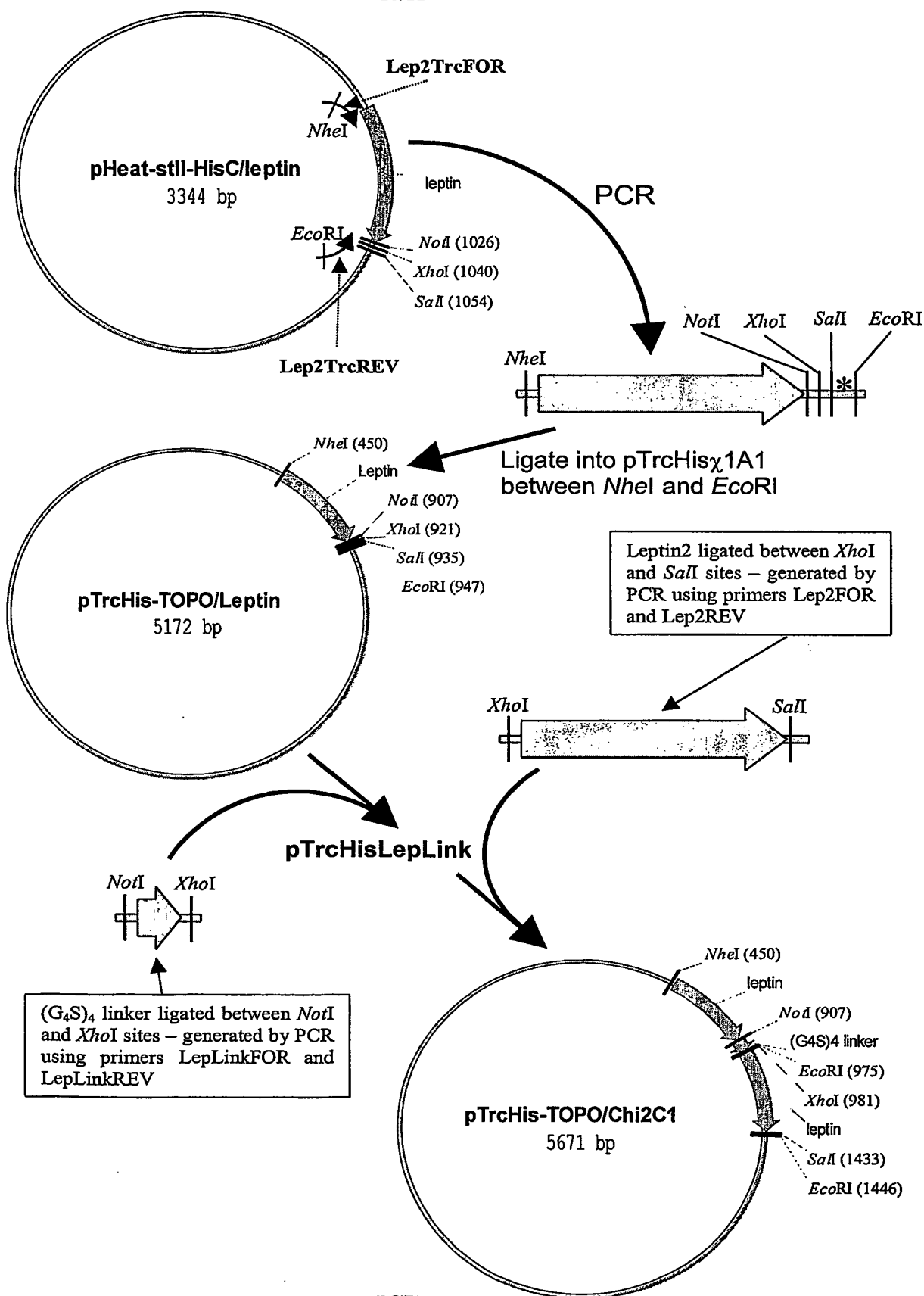


FIGURE 10

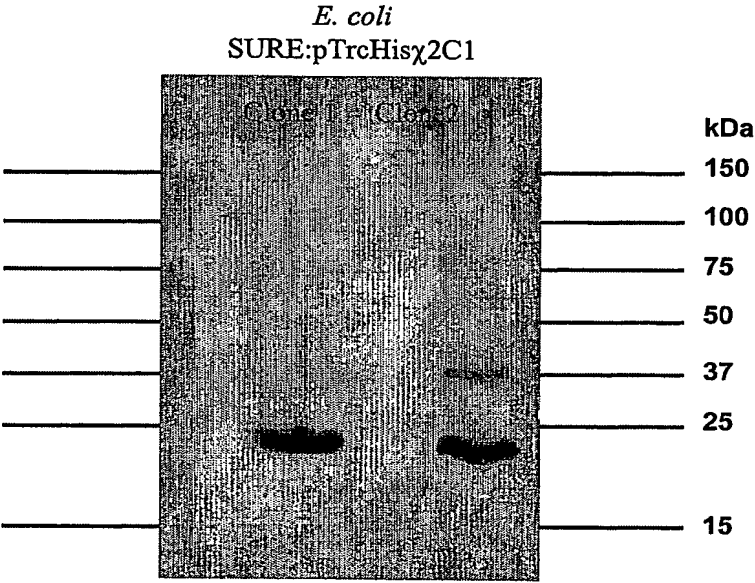


FIGURE 11

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